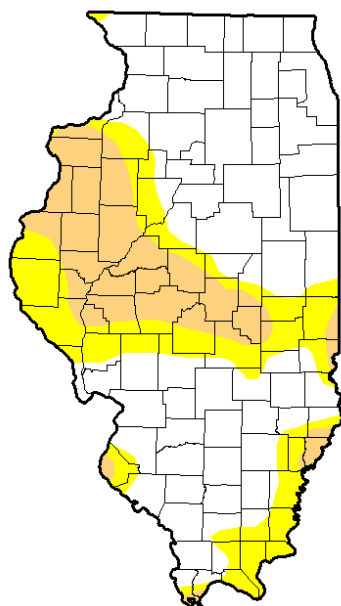




Central Illinois Drought Update

Thursday, October 22, 2015

U.S. Drought Monitor Illinois



October 20, 2015

(Released Thursday, Oct. 22, 2015)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	60.89	39.11	18.61	0.00	0.00	0.00
Last Week 10/13/2015	62.41	37.59	0.70	0.00	0.00	0.00
3 Months Ago 7/21/2015	100.00	0.00	0.00	0.00	0.00	0.00
Start of Calendar Year 12/02/2014	99.86	0.14	0.00	0.00	0.00	0.00
Start of Water Year 9/29/2015	82.81	17.19	0.00	0.00	0.00	0.00
One Year Ago 10/21/2014	100.00	0.00	0.00	0.00	0.00	0.00

Intensity

D0 Abnormally Dry	D3 Extreme Drought
D1 Moderate Drought	D4 Exceptional Drought
D2 Severe Drought	

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:

Brad Rippey
U.S. Department of Agriculture



<http://droughtmonitor.unl.edu/>



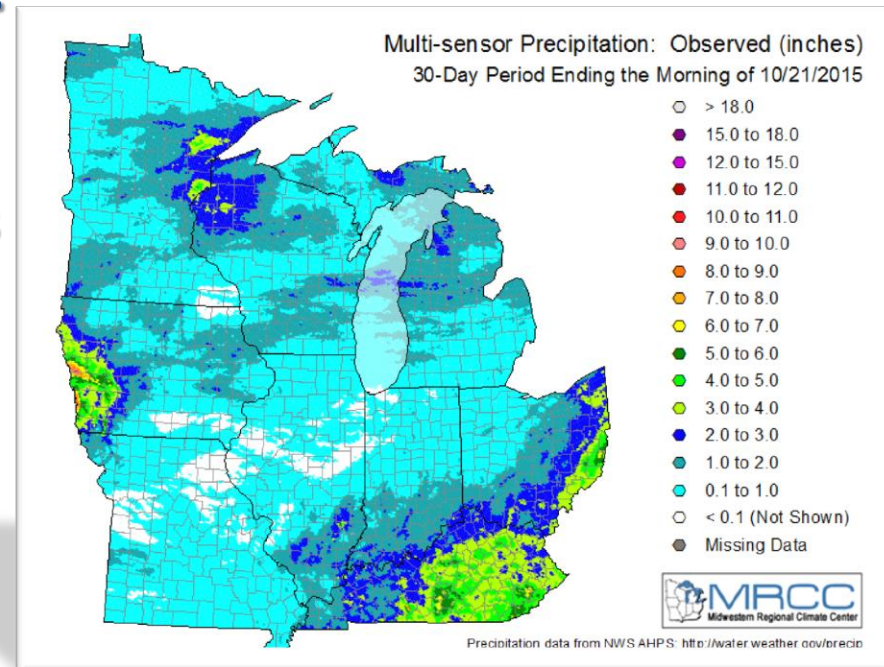
Chris Geelhart, Meteorologist
National Weather Service, Lincoln IL
Phone: 217-732-3089
E-mail: chris.geelhart@noaa.gov



Central Illinois Drought Update

Latest Summary

- The last several weeks have been very dry across much of central Illinois.
- Rainfall over the last 30 days has been less than a tenth of an inch in many areas of central Illinois, with between a tenth and ½ inch over east central Illinois.
- Despite the very wet conditions of spring and early summer, soil moisture reserves are being depleted and drought conditions are developing.





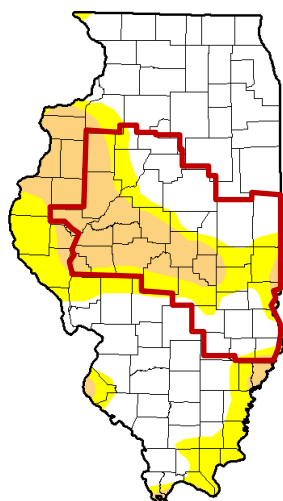
Central Illinois Drought Update

Latest Drought Monitor Graphics – Local

Classification of counties covered by the Lincoln NWS (highlighted in red on the map):

- **D4 (Exceptional Drought):** None
- **D3 (Extreme Drought):** None
- **D2 (Severe Drought):** None
- **D1 (Moderate Drought):** Cass, Fulton, Knox, Logan, Macon, Mason, Menard, Morgan, Moultrie, Sangamon, Schuyler, Scott
- **D0 (Abnormally Dry):** Christian, Coles, Douglas, Edgar, Lawrence, Peoria, Shelby, Stark

U.S. Drought Monitor Illinois



October 20, 2015
(Released Thursday, Oct. 22, 2015)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	60.89	39.11	18.61	0.00	0.00	0.00
Last Week 10/13/2015	62.41	37.59	0.70	0.00	0.00	0.00
3 Months Ago 7/21/2015	100.00	0.00	0.00	0.00	0.00	0.00
Start of Calendar Year 1/1/2015	98.86	0.14	0.00	0.00	0.00	0.00
Start of Water Year 9/29/2014	82.81	17.19	0.00	0.00	0.00	0.00
One Year Ago 10/21/2014	100.00	0.00	0.00	0.00	0.00	0.00

Intensity:

D0 Abnormally Dry	D3 Extreme Drought
D1 Moderate Drought	D4 Exceptional Drought
D2 Severe Drought	

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:
Brad Rippey
U.S. Department of Agriculture



<http://droughtmonitor.unl.edu/>

Category	Description	Possible Impacts
D0	Abnormally Dry	<p>Going into drought:</p> <ul style="list-style-type: none"> short-term dryness slowing planting, growth of crops or pastures <p>Coming out of drought:</p> <ul style="list-style-type: none"> some lingering water deficits pastures or crops not fully recovered
D1	Moderate Drought	<ul style="list-style-type: none"> Some damage to crops, pastures Streams, reservoirs, or wells low, some water shortages developing or imminent Voluntary water-use restrictions requested
D2	Severe Drought	<ul style="list-style-type: none"> Crop or pasture losses likely Water shortages common Water restrictions imposed
D3	Extreme Drought	<ul style="list-style-type: none"> Major crop/pasture losses Widespread water shortages or restrictions
D4	Exceptional Drought	<ul style="list-style-type: none"> Exceptional and widespread crop/pasture losses Shortages of water in reservoirs, streams, and wells creating water emergencies





Central Illinois Drought Update

State and Local Government Actions

- **Water Restrictions: None reported**
- **Burn Bans:**
 - **Open burning prohibited in parts of McLean County (LeRoy until further notice, Mt. Hope-Funks Grove through Monday, October 26)**
 - **Open burning prohibited in Lincoln (Logan County) until further notice**



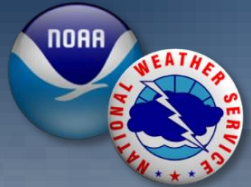


Central Illinois Drought Update

Agricultural Impacts

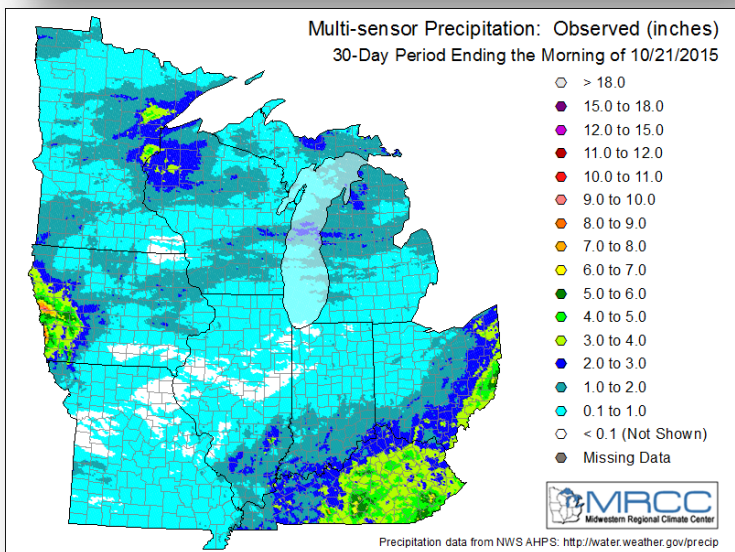
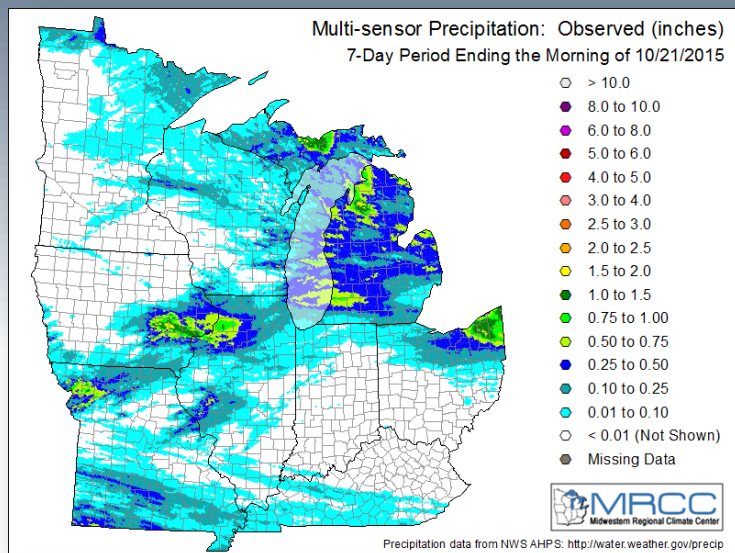
- **The dry weather has been favorable for harvest activities. However, rain is still needed for winter wheat, and to make sure there are enough moisture reserves for spring planting activities.**
 - **Latest report from the National Agricultural Statistics Service indicates topsoil moisture is 86% short or very short in west central Illinois, with 77% of subsoil moisture short or very short.**





Central Illinois Drought Update

Climate Summary (including observations through Oct. 21)



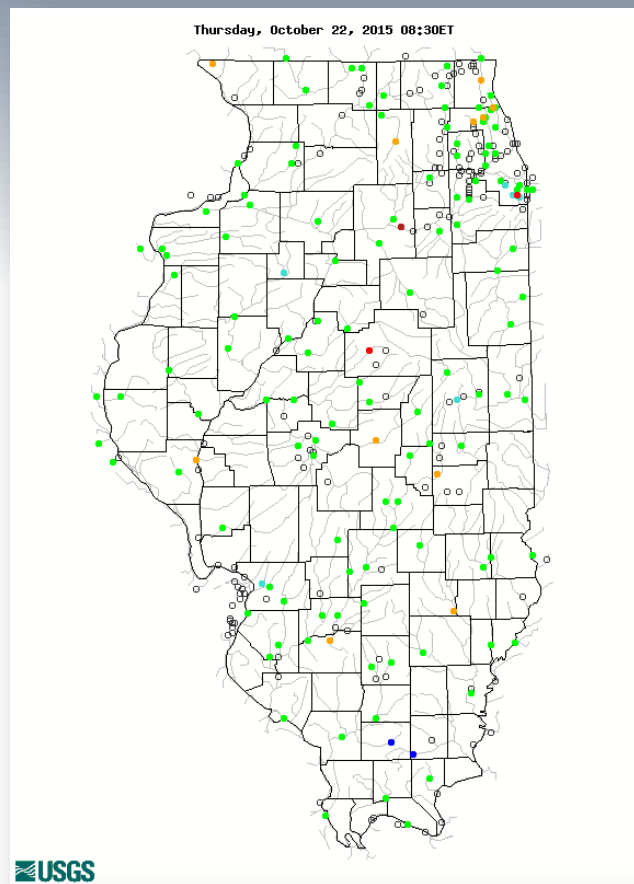
Location	Precipitation Since 8/1 (vs normal)	Precipitation Last 30 Days (inches)
Charleston	5.00 (-3.75)	0.42
Decatur	9.66 (+0.84)	0.21
Galesburg	7.81 (-1.49)	0.02
Havana	5.29 (-3.61)	0.04
Jacksonville	8.02 (-0.91)	0.47
Lincoln	6.94 (-2.25)	0.13
Normal	10.00 (+0.89)	0.10
Paris	6.32 (-2.92)	0.51
Peoria	7.35 (-0.90)	0.05
Springfield	7.75 (-0.50)	0.34





Central Illinois Drought Update

Hydrologic Summary – River and Stream Flow Conditions



Explanation - Percentile classes							
●	●	●	●	●	●	●	○
Low	<10	10-24	25-75	76-90	>90	High	Not-ranked
	Much below normal	Below normal	Normal	Above normal	Much above normal		

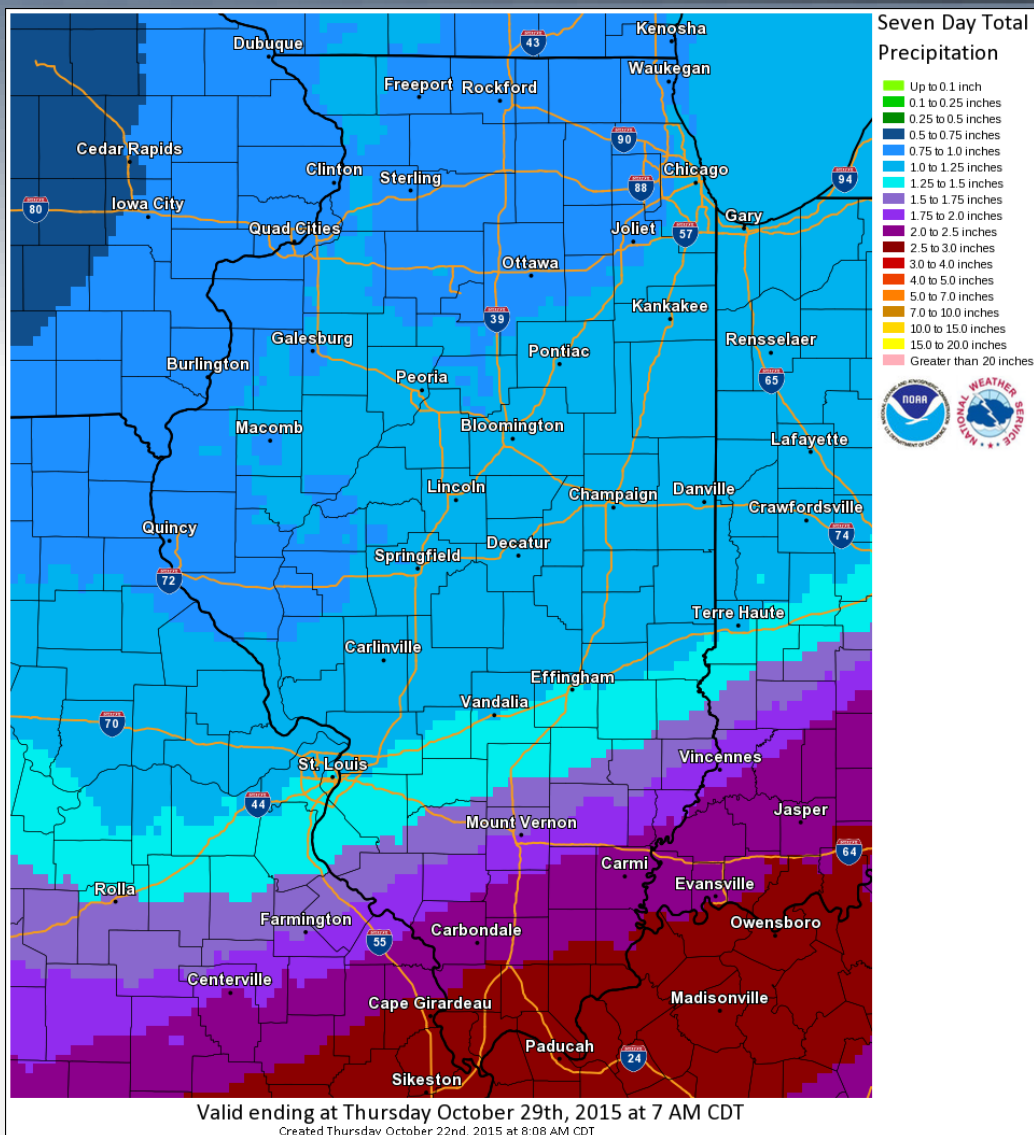
Location	Discharge (CFS)	Long Term Daily Mean Discharge
Illinois River:		
Kingston Mines	5,600	6,390
Valley City	5,140	8,129
Sangamon River:		
Decatur	1.4	5.3
Riverton	91	122
Oakford	513	526
Spoon River:		
London Mills	85	94
Seville	169	145
Location	Observed Stage (ft)	Normal Stage (ft)
Clinton Lake	689.92	Not available
Lake Decatur	614.11	Not available
Lake Springfield	558.42	558.11
Lake Shelbyville	599.43	599.7





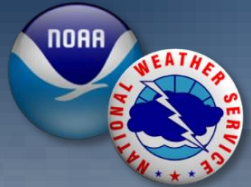
Central Illinois Drought Update

7-day Precipitation Outlook Through Next Wednesday



- Much of the rain in the forecast is expected Friday through Saturday
- Additional showers expected by Tuesday night and Wednesday
- Amounts generally expected in the $\frac{3}{4}$ to 1 inch range through mid week, with higher totals south of I-70

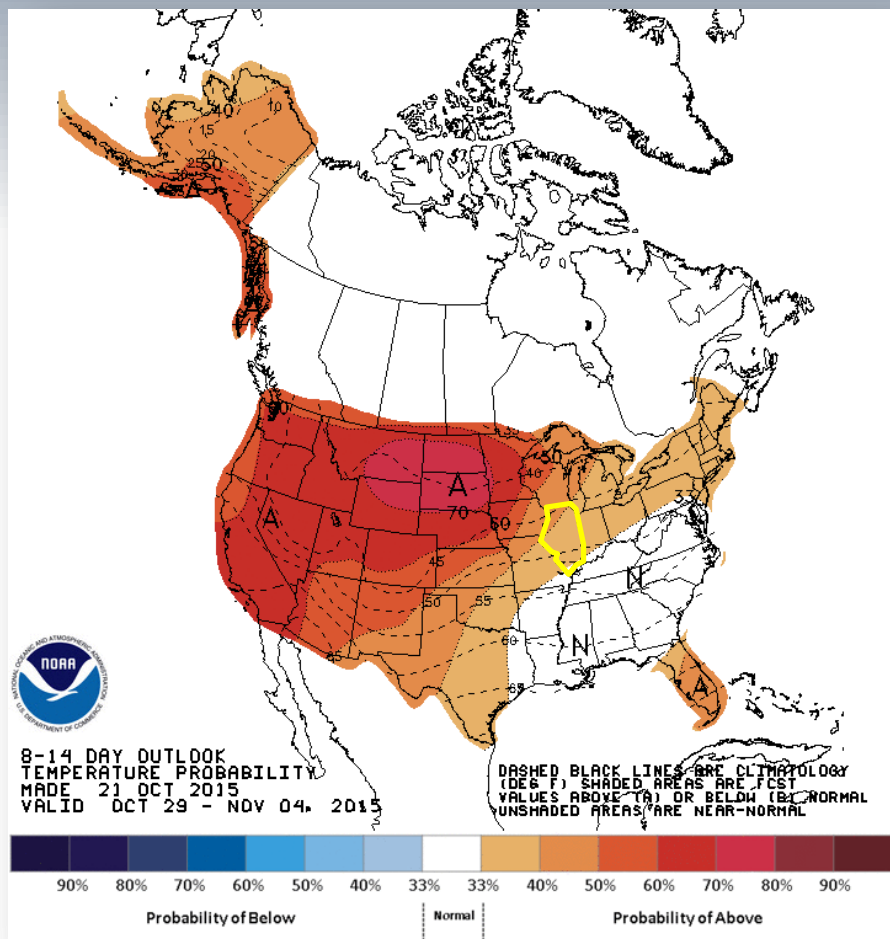




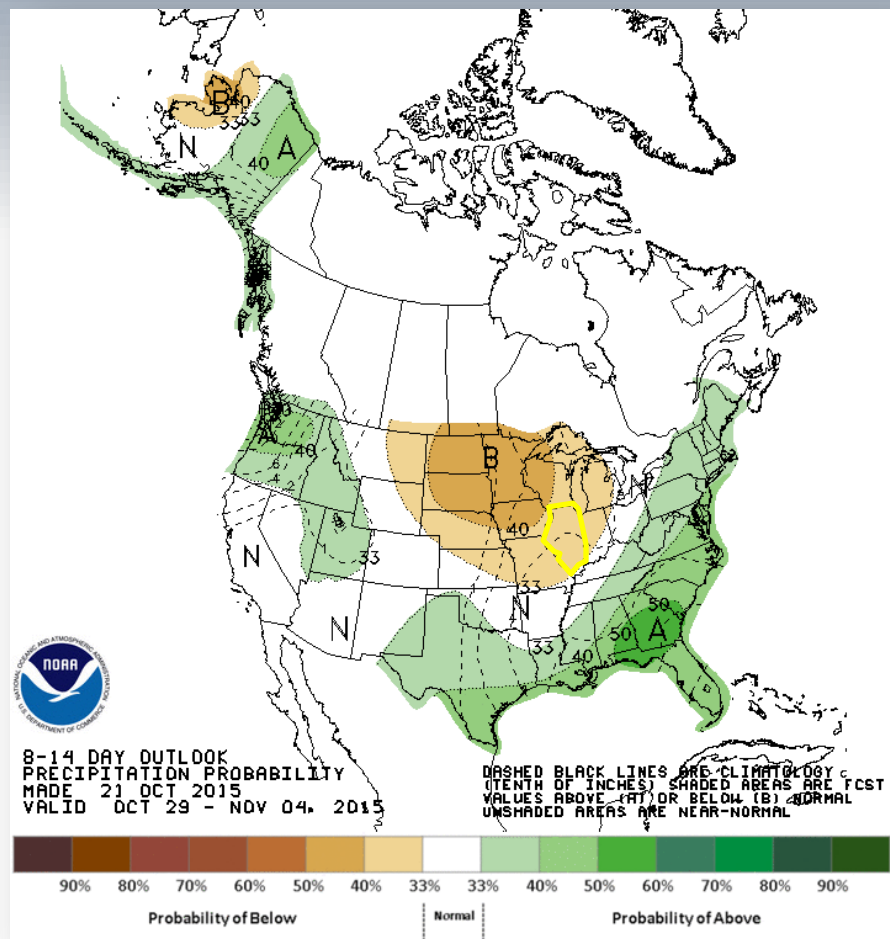
Central Illinois Drought Update

8-14 Day Outlook: October 29 through November 4

Illinois: Temperatures above normal



Illinois: Precipitation below normal



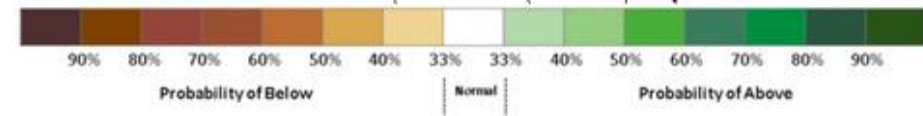
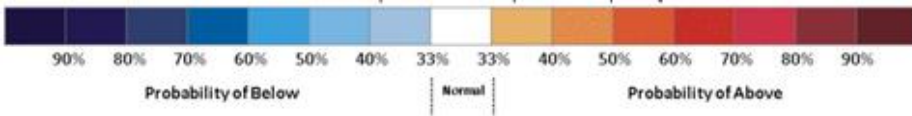
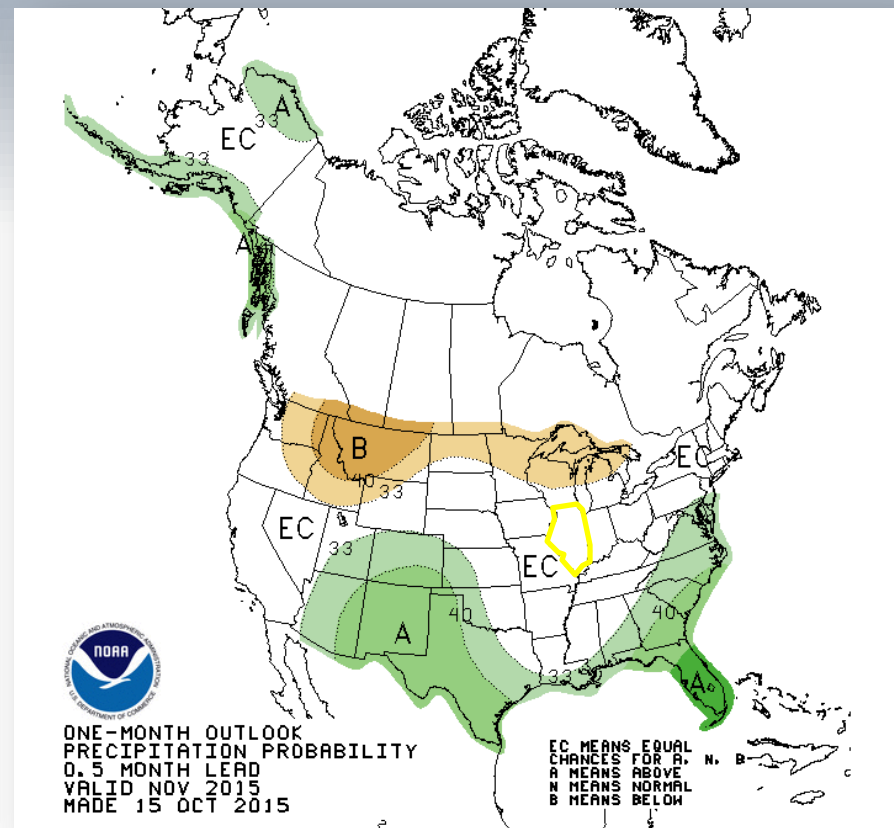
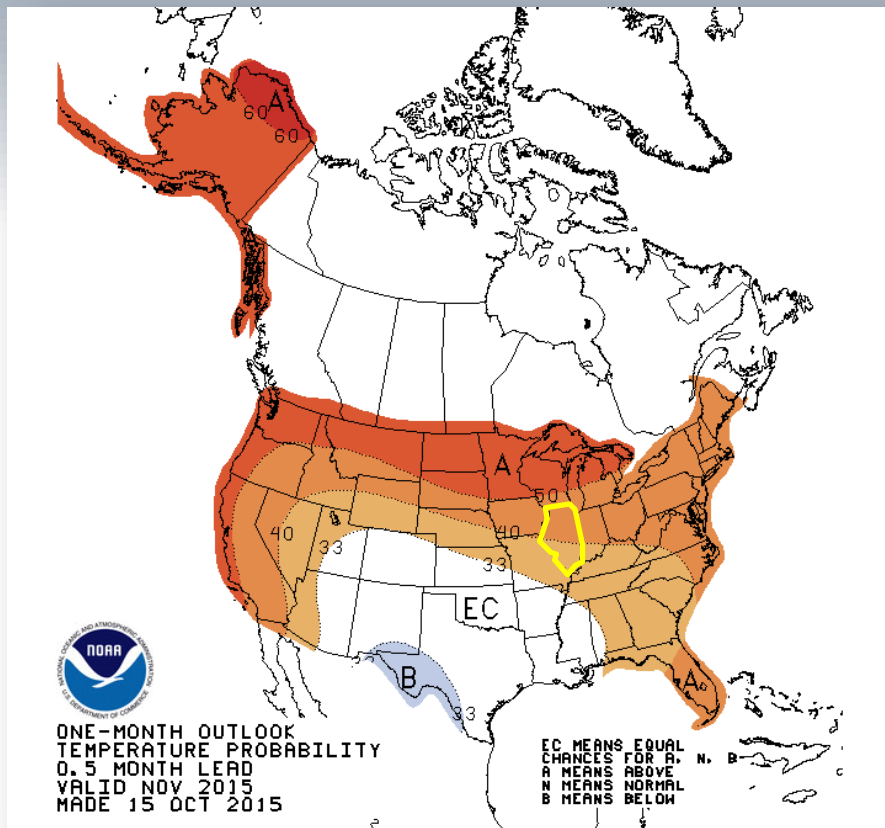


Central Illinois Drought Update

Outlook for November

Temperatures above normal favored

No precipitation trend favored



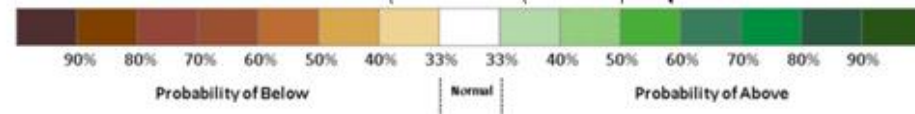
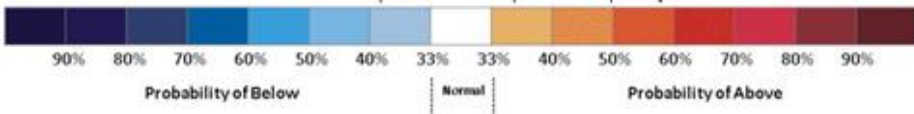
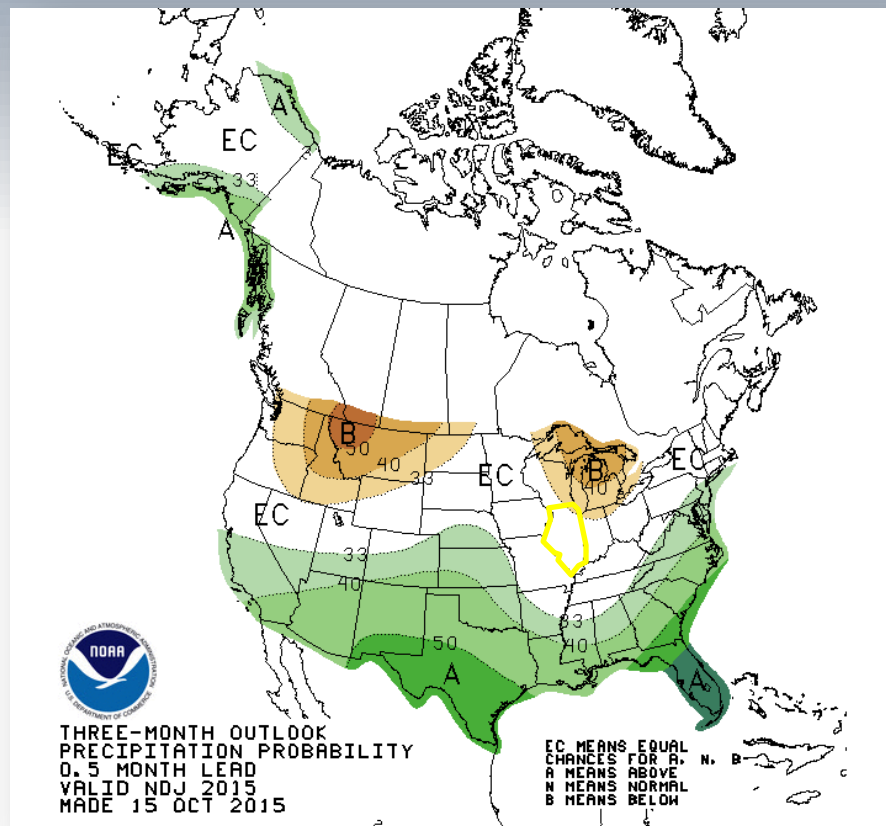
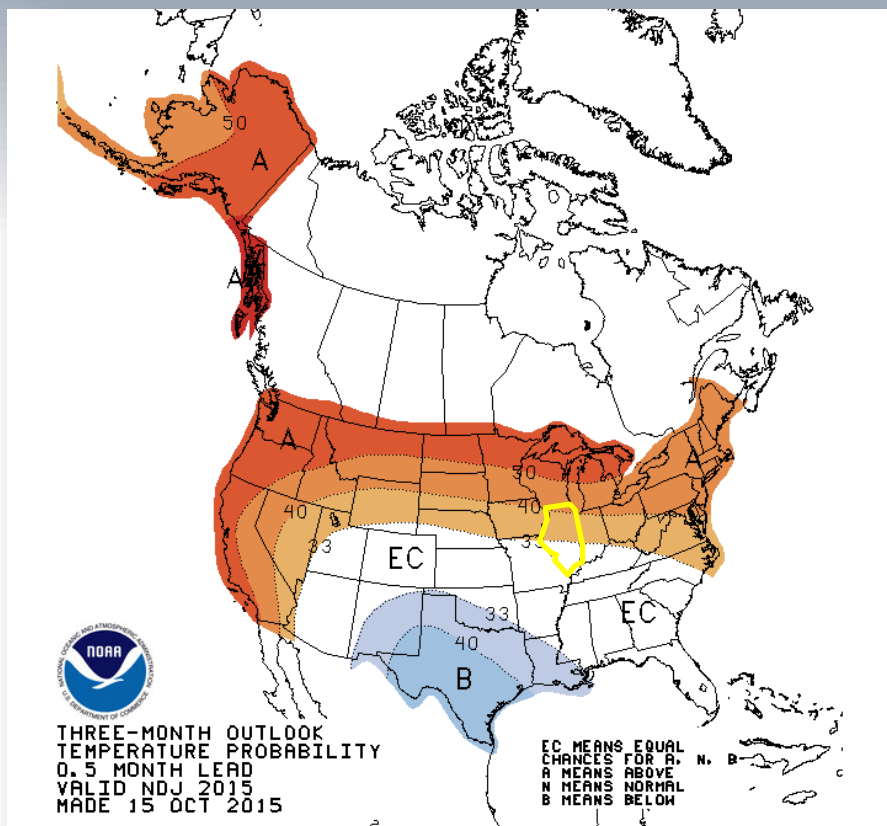


Central Illinois Drought Update

Outlook for November through January

Temperatures: Above normal favored

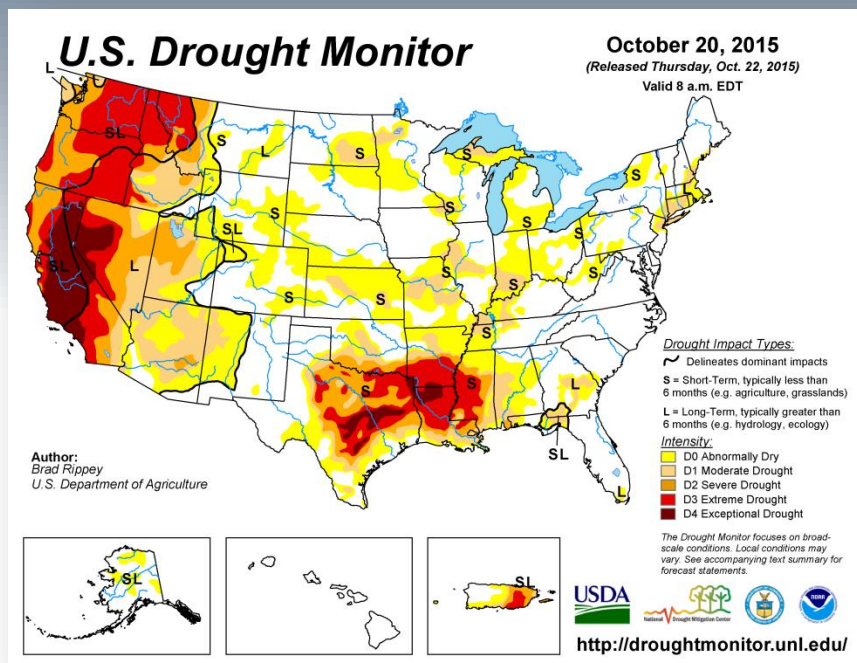
No precipitation trend favored





Central Illinois Drought Update

About the Drought Monitor



The U.S. Drought Monitor is jointly produced by the National Drought Mitigation Center, the U.S. Department of Agriculture, and the National Oceanic and Atmospheric Administration. Updated maps are issued Thursday mornings at 7:30 am Central time, and incorporate data through the preceding Tuesday. It is based on measurements of climatic, hydrologic, and soil conditions, as well as reported impacts.

<http://droughtmonitor.unl.edu>

